

SEQUENCE LISTING

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<150> 08/882,431; 09/144,776
<151> 97-06-25; 98-09-01
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Phe Arg Gln His Thr Ile Leu Phe Lys Gly 75 80
Phe Phe Thr Asp His Ser Trp Tyr Asn Asp 85 90
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Val Asp Lys Tyr Lys Gly Lys Lys Val Asp 105
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Ala Gly Gly Thr Pro Asn Lys Thr Ala Cys 125
Met Tyr Gly Gly Val Thr Leu His Asp Asn 135
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<223> mutant staphylococcal enterotoxin B cytoplasmic

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<400> 10

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Tyr Ile Lys Phe Ile	Pro Lys	Asn Lys					
Ser Phe Trp Phe Asp	Phe Phe	Pro Glu	Pro				
Glu Phe Thr Gln Ser	Lys Tyr	Leu Met	220 Ile				
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Leu	Lys	Asp	Tyr	Thr	Tyr	Thr	Leu	Ser	Ser
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Leu	PHE	Ата	AIG	235	SCI	T 11T	1119	0111	240
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C	170]	7 00	Mot	265 Asp	Тълг	Gly	Pro	Ser	Ser
ser	Val	Asp	Mec	275	TAT	GLY	110	501	280
Glv	Ser	Ala	Glv	Ser	Ser	Arg	Val	Gln	Arg
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Ser	Val	His	GIn	Ile 305	Asn	Arg	GIA	Asp	Phe 310
Ser	Lvs	Gln	Aen		Glu	Ala	Gln	Ile	Asp
Ser	пуз	GIII	пър	315	0_4		0		320
Lys	Glu	Leu	Ser	Gln	Asn	Gln	Pro	Val	Tyr
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Tyr	Gln	Gly	Val	Gly	Lys	Val	Gly	Gly	His
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Ala	Phe	vaı	Ile	Asp 345	GTA	Ala	ASP	GIY	350
Aen	Phe	ጥህን	His	Val	Asn	Trp	Glv	Trp	Gly
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Ser	Phe	Trp	Phe	Asp 185	Phe	Phe	Pro	Glu	Pro 190
Glu	Phe	Thr	Gln	Ser 195	Lys	Tyr	Leu	Met	Ile 200
Tyr	Lys	Asp	Asn	Glu 205	Thr	Leu	Asp	Ser	Asn 210
Thr	Gln	Ile	Glu	Val 215	Tyr	Leu	Thr	Thr	Lys 220
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<400> 33

Thr Gly Asp Gln Phe Leu Glu Asn Thr Leu
5
Leu Tyr Lys Lys Phe Phe Thr Asp Leu Ile
15
20
Asn Phe Glu Asp Leu Leu Ile Asn Phe Asn
25
Ser Lys Glu Met Ala Gln His Phe Lys Ser
35
Lys Asn Val Asp Val Tyr Pro Ile Arg Tyr
45
Ser Ile Asn Cys Tyr Gly Gly Glu Ile Asp
55
Arg Thr Ala Cys Thr Tyr Gly Gly Val Thr
65
70

Proc Nic Clu Cly Asp Lys Leu Lys Glu Arg

65 70 Pro His Glu Gly Asn Lys Leu Lys Glu Arg 75 80

Lys Lys

<210> 34

<211> 82

<212> PRT

<213> staphylococcal enterotoxin E

<220>

<223> partial sequence as shown in Figure 3

<400> 34

 Ser Asp Asp Asp Gln
 Phe Leu Glu Asn Thr Leu
 5
 10

 Leu Phe Lys Gly
 Phe Phe Thr Gly His Pro
 15
 20

 Trp Tyr Asn Asp Leu Leu Val Asp Leu Gly
 25'
 30

 Ser Lys Asp Ala Thr Asn Lys Tyr Lys Gly

40 35 Lys Lys Val Asp Leu Tyr Gly Ala Tyr Tyr 45 Gly Tyr Gln Cys Ala Gly Gly Thr Pro Asn 60 55 Lys Thr Ala Cys Met Tyr Gly Gly Val Thr 70 65 Leu His Asp Asn Asn Arg Leu Thr Glu Glu Lys Lys <210> 35 <211> 89 <212> PRT <213> staphylococcal enterotoxin B <220> <223> partial sequence as shown in Figure 3 <400> 35 Ser Ile Asp Gin Phe Leu Tyr Phe Asp Leu Ile Tyr Ser Ile Lys Asp Thr Lys Leu Gly Asn Tyr Asp Asn Val Arg Val Glu Phe Lys Asn Lys Asp Leu Ala Asp Lys Tyr Lys Asp Lys Tyr Val Asp Val Phe Gly Ala Asn Tyr 45 Tyr Gln Cys Tyr Phe Ser Lys Lys Thr Asn 55 Asp Ile Asn Ser His Gln Thr Asp Lys Arg Lys Thr Cys Met Tyr Gly Gly Val Thr Glu His Asn Gly Asn Gln Leu Asp Lys Tyr <210> 36 <211> 89 <212> PRT <213> staphylococcal enterotoxin C1 <220>

<223> partial sequence as shown in Figure 3 <400> 36 Ser Val Asp Lys Phe Leu Ala His Asp Leu Ile Tyr Asn Ile Ser Asp Lys Lys Leu Lys Asn Tyr Asp Lys Val Lys Thr Glu Leu Leu 30 Asn Glu Gly Leu Ala Lys Lys Tyr Lys Asp 40 35 Glu Val Val Asp Val Tyr Gly Ser Asn Tyr 45 Tyr Val Asn Cys Tyr Phe Ser Ser Lys Asp 60 Asn Val Gly Lys Val Thr Gly Gly Lys Thr 65 Cys Met Tyr Gly Gly Ile Thr Lys His Glu Gly Asn His Phe Asp Asn Gly Asn Leu <210> 37 <211> 89 <212> PRT <213> staphylococcal enterotoxin C2 <220> <223> partial sequence as shown in Figure 3 <400> 37 Ser Val Asp Lys Phe Leu Ala His Asp Leu 10 Ile Tyr Asn Ile Ser Asp Lys Lys Leu Lys Asn Tyr Asp Lys Val Lys Thr Glu Leu Leu 25 30 Asn Glu Asp Leu Ala Lys Lys Tyr Lys Asp 35 Glu Val Val Asp Val Tyr Gly Ser Asn Tyr Tyr Val Asn Cys Tyr Phe Ser Ser Lys Asp Asn Val Gly Lys Val Thr Gly Gly Lys Thr Cys Met Tyr Gly Gly Ile Thr Lys His Glu Gly Asn His Phe Asp Asn Gly Asn Leu

<210> 38

<211> 89

<212> PRT

<213> staphylococcal enterotoxin C3

85

<220>

<223> partial sequence as shown in Figure 3

<400> 38

Ser Val Asp Lys Phe Leu Ala His Asp Leu 5 10

Ile Tyr Asn Ile Ser Asp Lys Lys Leu Lys 20

Asn Tyr Asp Lys Val Lys Thr Glu Leu Leu 25

Asn Glu Asp Leu Ala Lys Tyr Lys Asp 35 40

Glu Val Val Asp Val Tyr Gly Ser Asn Tyr 45 50

Tyr Val Asn Cys Tyr Phe Ser Ser Lys Asp 55 60

Asn Val Gly Lys Val Thr Gly Gly Lys Thr 65 65

Cys Met Tyr Gly Gly Ile Thr Lys His Glu 75 61 Asn Leu 80

Gly Asn His Phe Asp Asn Gly Asn Leu

<210> 39

<211> 79

<212> PRT

<213> streptococcal pyrogenic enterotoxin a

<220>

<223> partial sequence as shown in Figure 3

<400> 39

Ser Val Asp Gln Leu Leu Ser His Asp Leu
5 10

Ile Tyr Asn Val Ser Gly Pro Asn Tyr Asp
15 20

Lys Leu Lys Thr Glu Leu Lys Asn Gln Glu

25 Met Ala Thr Leu Phe Lys Asp Lys Asn Val 35 Asp Ile Tyr Gly Val Glu Tyr Tyr His Leu 45 Cys Tyr Leu Cys Glu Asn Ala Glu Arg Ser Ala Cys Ile Tyr Gly Gly Val Thr Asn His 65 Glu Gly Asn His Leu Glu Ile Pro Lys <210> 40 <211> 73 <212> PRT <213> toxin shock syndrome toxin-1 <220> <223> partial sequence as shown in Figure 3 <400> 40 Val Leu Asp Asn Ser Leu Gly Ser Met Arg Ile Lys Asn Thr Asp Gly Ser Ile Ser Leu Ile Ile Phe Pro Ser Pro Tyr Tyr Ser Pro Ala Phe Thr Lys Gly Glu Lys Val Asp Leu 35 Asn Thr Lys Arg Thr Lys Lys Ser Gln His 45 Thr Ser Glu Gly Thr Tyr Ile His Phe Gln

Ile Ser Gly Val Thr Asn Thr Glu Lys Leu 65 70

Pro Thr Pro